

In the Claims:

1. (Currently amended) A method for the self-testing of a reference voltage in electronic components, characterized in that the reference voltage is fed to a voltage-controlled oscillator (VCO) whose output forms the input to a Wien-Robinson bridge whose output signal is checked in a phase detector for its phase shift relative to the input to the Wien-Robinson bridge to check the balance of the Wien-Robinson bridge, the Wien-Robinson bridge being set at a frequency that is generated in the (VCO) ~~oscillator~~ at the nominal value selected for the reference voltage, and a pass signal is generated if the Wien-Robinson bridge is balanced and a fail signal is generated if it is not.

2. (Currently amended) A circuit arrangement for the self-testing of a reference voltage in electronic components, characterized in that it has a voltage-controlled oscillator (VCO) whose output voltage is fed to a Wien-Robinson bridge whose output forms the input to a phase detector, the Wien-Robinson bridge being set to be balanced at a frequency that is generated in the (VCO) ~~oscillator~~ at the nominal value selected for the reference voltage and the output of the phase detector generates a fail signal if a threshold value is exceeded, and a pass signal if it is not.

3. (New) The method of Claim 1, wherein the Wien-Robinson Bridge includes resistors and capacitors with values selected for a zero phase shift at a nominal value selected for the reference voltage.

4. (New) The method of Claim 1, wherein the Wien-Robinson Bridge includes resistors and capacitors with values selected for a zero phase shift at a nominal value selected for the reference voltage, the phase of a voltage at the output of the bridge having a zero crossing when the bridge is balanced.

5. (New) The method of Claim 1, wherein the Wien-Robinson Bridge includes resistors and capacitors with values selected for a zero phase shift at a nominal value selected for the reference voltage, and further including calibrating the values.

6. (New) The circuit arrangement of Claim 2, wherein the Wien-Robinson Bridge includes resistors and capacitors with values selected for a zero phase shift at a nominal value selected for the reference voltage.
7. (New) The circuit arrangement of Claim 2, wherein the Wien-Robinson Bridge includes resistors and capacitors with values selected for a zero phase shift at a nominal value selected for the reference voltage, the phase of a voltage at the output of the bridge having a zero crossing when the bridge is balanced.
8. (New) The circuit arrangement of Claim 2, wherein the Wien-Robinson Bridge includes resistors and capacitors with values selected for a zero phase shift at a nominal value selected for the reference voltage, and further including calibrating the values.